

ADAPTIVE SYNCHRONIZATION METHOD FOR COMMUNICATION IN STORAGE SYSTEMS

ABSTRACT OF THE DISCLOSURE

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A method for transferring data in a storage system is provided. The method includes setting a catch-up threshold for accepting data requests from a port where the queue value corresponds to a number of requests collected from an input queue for every CPU interrupt, and the input queue receives requests from the port and stores the requests
10 to be collected by a CPU. The method also includes adjusting the catch-up threshold to reduce an imbalance between the number of requests made to the input queue and a number of requests made to an output queue in a particular period of time where the output queue receives requests from the CPU and stores the requests to be gathered by the port.

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